

Title (en)

ELECTRIC SWITCH, IN PARTICULAR STEERING COLUMN SWITCH FOR MOTOR VEHICLES

Title (de)

ELEKTRISCHER SCHALTER, INSBESONDERE LENKSTOCKSCHALTER FÜR KRAFTFAHRZEUGE

Title (fr)

COMMUTATEUR ELECTRIQUE, NOTAMMENT COMMUTATEUR POUR COLONNES DE DIRECTION DE VEHICULES A MOTEUR

Publication

**EP 0690798 B1 19961023 (DE)**

Application

**EP 94910350 A 19940317**

Priority

- DE 9400304 W 19940317
- DE 4309711 A 19930325

Abstract (en)

[origin: US5691519A] PCT No. PCT/DE94/00304 Sec. 371 Date Mar. 11, 1996 Sec. 102(e) Date Mar. 11, 1996 PCT Filed Mar. 17, 1993 PCT Pub. No. WO94/21489 PCT Pub. Date Sep. 29, 1994 "A stalk switch for automotive steering column having the stalk lever pivoted about a vertically disposed cross-pin having its ends mounted with ball and socket connections to a slider. A push button in the end of the lever moves the lever and slider for effecting switching by one set of contacts and pivoting the lever about the axis of the cross pin effects switching of another set of contacts. Pivoting the lever about an axis transverse to the cross pin axis causes the cross pin ball ends to pivot in the sockets and moves another slider for effecting switching of a third set of contacts. A rotatable ring is mounted on the lever and is rotatable for effecting switching of a fourth set of contacts.

IPC 1-7

**B60Q 1/14**

IPC 8 full level

**B60Q 1/14** (2006.01); **G05G 9/047** (2006.01); **H01H 25/04** (2006.01); **H01H 89/00** (2006.01)

CPC (source: EP US)

**B60Q 1/1461** (2013.01 - EP US); **B60Q 1/1469** (2013.01 - EP US); **B60Q 1/1476** (2013.01 - EP US); **G05G 9/04796** (2013.01 - EP US)

Cited by

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**US 5691519 A 19971125**; CA 2159077 A1 19940929; CA 2159077 C 20001031; DE 4309711 C1 19940721; DE 59400915 D1 19961128; EP 0690798 A1 19960110; EP 0690798 B1 19961023; ES 2096460 T3 19970301; JP H09508599 A 19970902; WO 9421489 A1 19940929

DOCDB simple family (application)

**US 52579496 A 19960311**; CA 2159077 A 19940317; DE 4309711 A 19930325; DE 59400915 T 19940317; DE 9400304 W 19940317; EP 94910350 A 19940317; ES 94910350 T 19940317; JP 52052094 A 19940317